

FILE NOTATIONS

Entered in NID File ..✓.....
Location Map Pinned
Card Indexed ..✓.....

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 1-7-79.....

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.✓.....

State or Fee Land

LOGS FILED

✓
Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BNC Sonic GR..... Lat..... Mi-L..... Sonic.....

GBLog..... CCLog..... Others.....

Pugged & abandoned - 1/7/79

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

A. Lansdale

3. ADDRESS OF OPERATOR

P. O. Box 68, Garden Grove, California 92683

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

SE/SE; 699' FSL, 601' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 miles west of Mack, Colorado

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

699 feet

16. NO. OF ACRES IN LEASE

1840 acres

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 acres

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.None drilled
on lease

19. PROPOSED DEPTH

3500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4703' Grd (Ungraded)

22. APPROX. DATE WORK WILL START*

On approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	36#	250'	150 sx 2% CaCl ₂ to surface
7 7/8"	4 1/2"	10.5#	3500'	200 sx

Propose to set 8 5/8" casing with spud mud and cement back to surface.

WOC-12 hrs. Install 10"-900 ROP's and bled off lines. Pressure test to 600 psi-30 min.

Drill 7 7/8" hole with air to Entrada @ 2300', convert to mud & drill to Total Depth
3500'Run Gamma Induction or IES & FDC & SNP logs. If productive, run 4 1/2" casing and cement
over all productive zones. Perforate and sand-water fracture potential gas or oil
bearing intervals in the hole. Run tubing and complete.

Anticipated Formation Tops: Surface: Mancos; Frontier 1125; Dakota silt 1377;

Chinle 3036; Granite Wash 3128; Basement 3185.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive
zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout
preventer program, if any.

24.

SIGNED

Robert E. Lauth

TITLE Geological Consultant

DATE December 6, 1977

(This space for Federal or State office use)

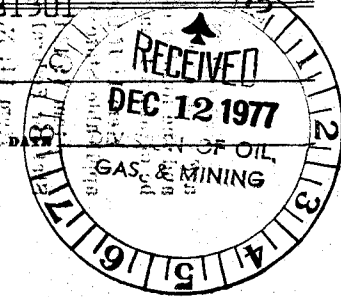
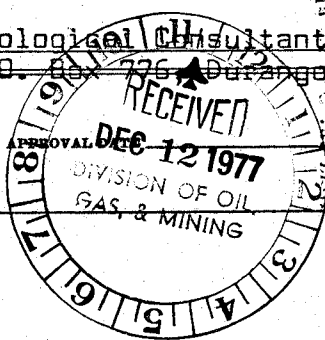
PERMIT NO.

43-019-30413

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

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3. ADDRESS OF OPERATOR

P. O. Box 68, Garden Grove, California 92683

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At surface

SE/SE; 699' FSL, 601' FEL

At proposed prod. zone

849'
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 miles west of Mack, Colorado

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LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

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OR APPLIED FOR, ON THIS LEASE, FT.None drilled
on lease

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3500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

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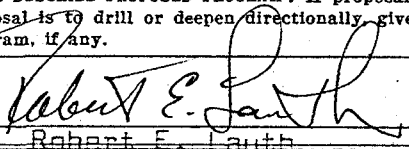
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Run Gamma Induction or IES & FDC & SNP logs. If productive, run 4 1/2" casing and cement over all productive zones. Perforate and sand-water fracture potential gas or oil bearing intervals in the hole. Run tubing and complete.
Anticipated Formation Tops: Surface: Mancos; Frontier 1125 Dakota silt 1377; Chinle 3036; Granite Wash 3128; Basement 3185.

NOTICE OF APPROVAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED


Robert E. Lauth

TITLE Geological Consultant

DATE December 6, 1977

(This space for Federal or State office use)

P.O. Box 776, Durango CO 81301

PERMIT NO.

30413

APPROVAL DATE

APPROVED BY (ORIG. SGD.) E. W. GUYNN

TITLE DISTRICT ENGINEER

DATE JAN 30 1978

CONDITIONS OF APPROVAL, IF ANY:

State of Utah, Department of Natural Resources

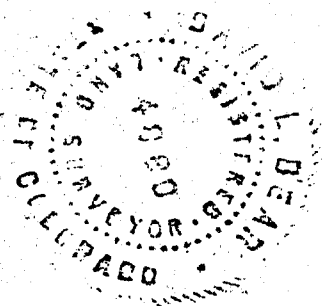
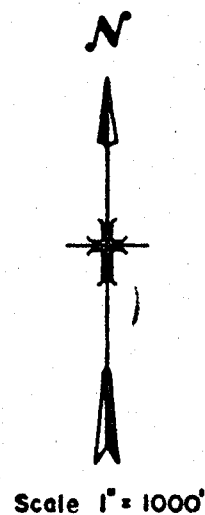
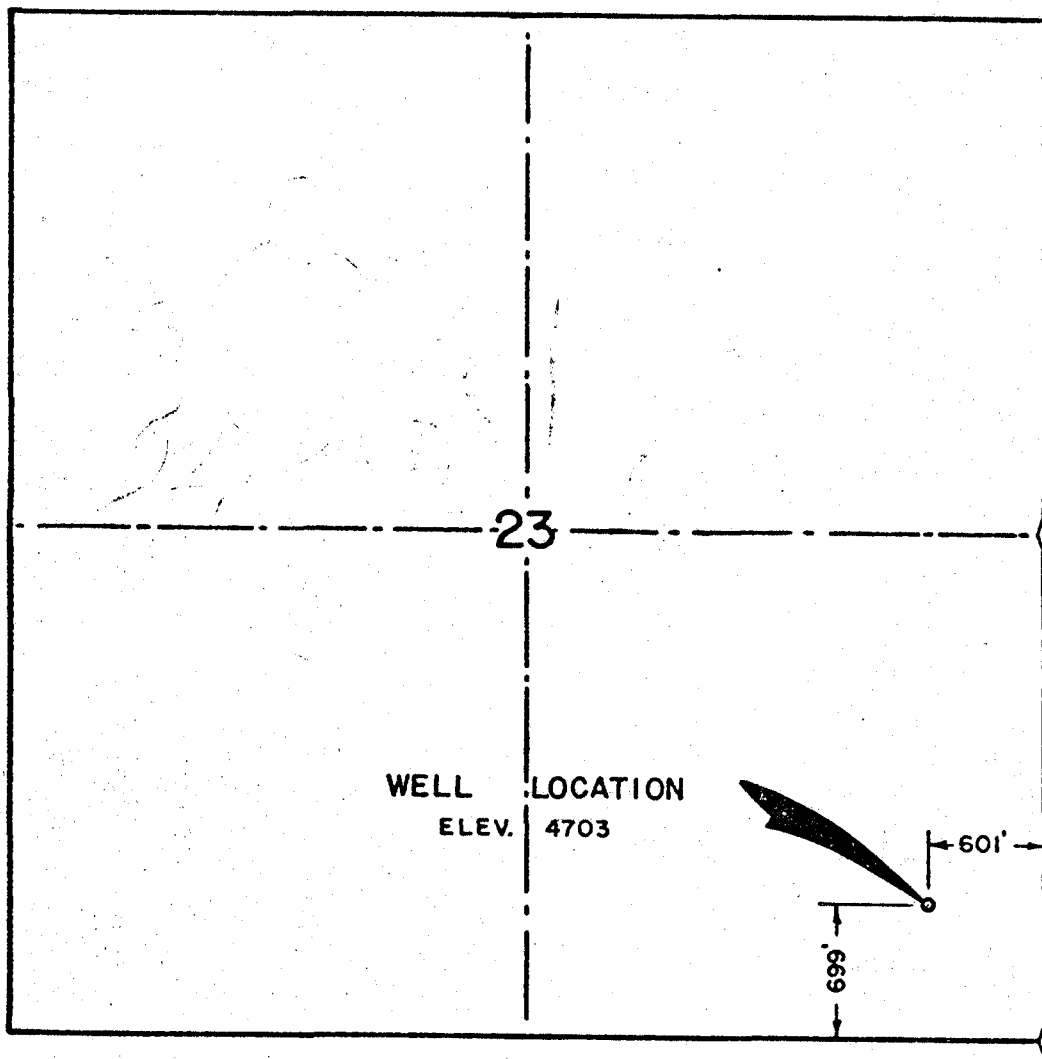
Division of Oil, Gas, and Mining

1000 W. 10th Street

Salt Lake City, Utah 84116

JAN 30 1978

WELL LOCATION
699.0 FT. N.S.L.- 601.0 FT. WEL.
SECTION 23, T18S R 25E SLB&M.



I, David L. Bear do hereby certify that this plat was plotted from notes of a field survey made under my direct responsibility, supervision and checking on October 10, 1977.

David L. Bear
Registered Land Surveyor

WESTERN ENGINEERS, INC.
WELL LOCATION
LANSDALE NO. 1

GRAND COUNTY, UTAH

SURVEYED D.L.B. DRAWN G.L.A.

GRAND JUNCTION, COLO. 10/11/77

U.S. GEOLOGICAL SURVEY
District Notified CONSERVATION DIVISION
Mailed to D.E.

To: District Engineer, _____

NID

Operator <i>A. Lansdale</i>		Well <i>1</i>		Location <i>Grand Co, Utah</i> <i>SESE sec 23 T. 18S R. 25E</i>	
Lease No. <i>46869</i>	Ground elev. <i>4703</i>	Objective gas <i>Dakota - Morrison</i>		Surface casing <i>8 5/8 to 250'</i>	Estimated T.D. <i>3500</i>
Formation	Possible resource	Estimated depth	Estimated thickness	Remarks *	
<i>Manco</i>	<i>H₂O</i>	<i>surface</i>		<i>possible use at about 1125'</i>	
<i>Dakota</i>		<i>1477</i>	<i>gas</i>		
<i>cedar mtn</i>		<i>1577</i>	<i>gas</i>		
<i>Morrison</i>		<i>1630</i>	<i>gas</i>		
<i>Entrada</i>		<i>2250</i>			
<i>Nevado</i>		<i>2530</i>			
<i>Chinle</i>		<i>3036</i>			
<i>basement</i>		<i>3185</i>			

Competency of beds at proposed casing setting points: _____

Additional logs or samples needed: _____

* Where applicable note:

1. Potential oil and gas productive zones
2. Zones bearing fresh water
3. Possible lost circulation zones
4. Zones with abnormal pressure
5. Zones with abnormal temperature
6. Other minerals such as coal, oil shale, potash, etc.

Signed: _____

Geologist

Date: *12/22/47*

DEVELOPMENT PLAN FOR SURFACE USE:

A. Lansdale (U-6869)
No. 1 Lansdale-Deep Test
SE SE Sec. 23 T18S R25E
Grand County, Utah
320 acre drill unit-E/2 Sec. 23

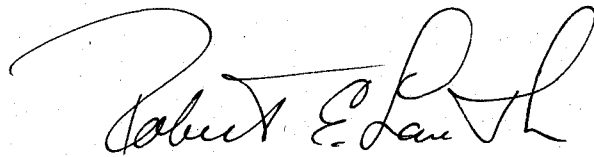
1. Existing Roads: See Exhibit No. 1 - Topography Map.
2. Planned Access Road: See Exhibit No. 1. It is proposed to use a previously existing road in Sec. 14 extending into the northeast quarter of Sec. 23. This road will be improved as needed. Will construct approximately 1000 feet of new road in the E/2 of Sec. 23. Install culverts as required for drainage. Roadway to be approximately 24 feet wide.
3. Location of Existing Wells: See Exhibit No. 2.
4. Location of Production Facilities: This is a proposed gas well test. A small production unit may be required and would be installed on the location pad after drilling is completed.
5. Location and Type of Water Supply: The hole will be air drilled to at least 2300 feet. If water is encountered in the Entrada, mud will be used to total depth. The fresh water used will be hauled probably from the Colorado River near Mack, Colorado approximately 14 miles to the east of the location.
6. Source of Construction Materials: None required.
7. Handling of Waste Materials:
 - a) Liquid wastes to be retained in earthen reserve pit.
 - b) Burnable waste to be placed in a burn pit and burned at appropriate times.
 - c) Non-burnable waste to be placed near burn pit and buried or hauled off upon completion.
 - d) Latrine facilities to be furnished by Contractor and waste hole filled upon completion.

8. Ancillary Facilities: None required.
9. Wellsite Layout: See Exhibit No. 3
10. Plans for Restoration of Surface: Upon completion of drilling, the waste pits to be fenced until liquids evaporate sufficiently for filling. Fill and grade down to conform as near as possible to topography and reseed per BLM specifications.
11. Other Information: The proposed road and location pad is in the clayey soil cover over the underlying Mancos shale. Vegetation is sparse with mostly sage brush and sparse native grass. The drill pad is located on a flat level area and will not require extensive dirt work.
12. Operator's Representative: Ross L. Jacobs is acting field agent for this operation. Office and residence telephone is 303:243-9685 at 405 Mayfield Drive, Grand Junction, Colorado 81501. Mobile No. 245-3660, Unit 464.
Robert E. Lauth, APGS No. 1366, a geological consultant is the operator's geologist. Office telephone is 303:247-0025 at 960 E 2nd Ave., Durango, Colorado 81301. Residence telephone is 303:247-3190 at 2020 Crestview Drive, Durango, Colorado 81301.

13. Certification:

I hereby certify that I am familiar with the conditions which presently exist on the proposed drillsite and roadway. I was unable to be present on October 15, 1977 when an archaeological survey was performed by Dr. Dale L. Berge. The operator's representative at that time was Mr. Don Redman, then living in Moab, Utah. That the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be supervised by Ross L. Jacobs, drilling performed by Jacobs Drilling Company or other prudent contractor, dirt work by a contractor of Ross Jacob's choice and other sub-contract work to be in conformity with this plan and the terms and conditions under which it is approved.

Date: December 7, 1977

A handwritten signature in dark ink, appearing to read "Robert E. Lauth", written over a horizontal line.

Robert E. Lauth
Geological Consultant
for A. Lansdale

Township 18 S, Range 25 E, County GRAND, State UTAH

Island Township Plat

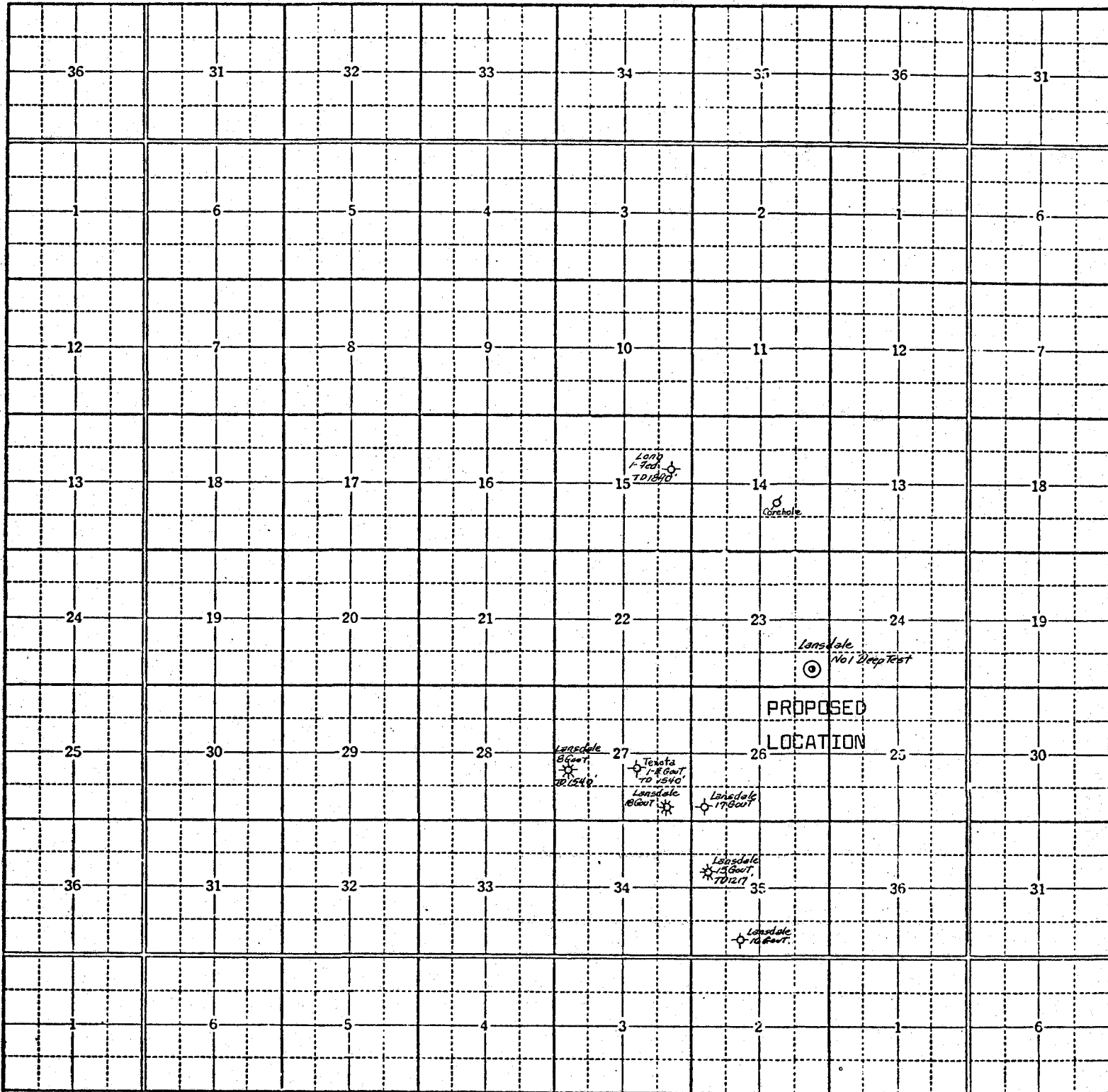
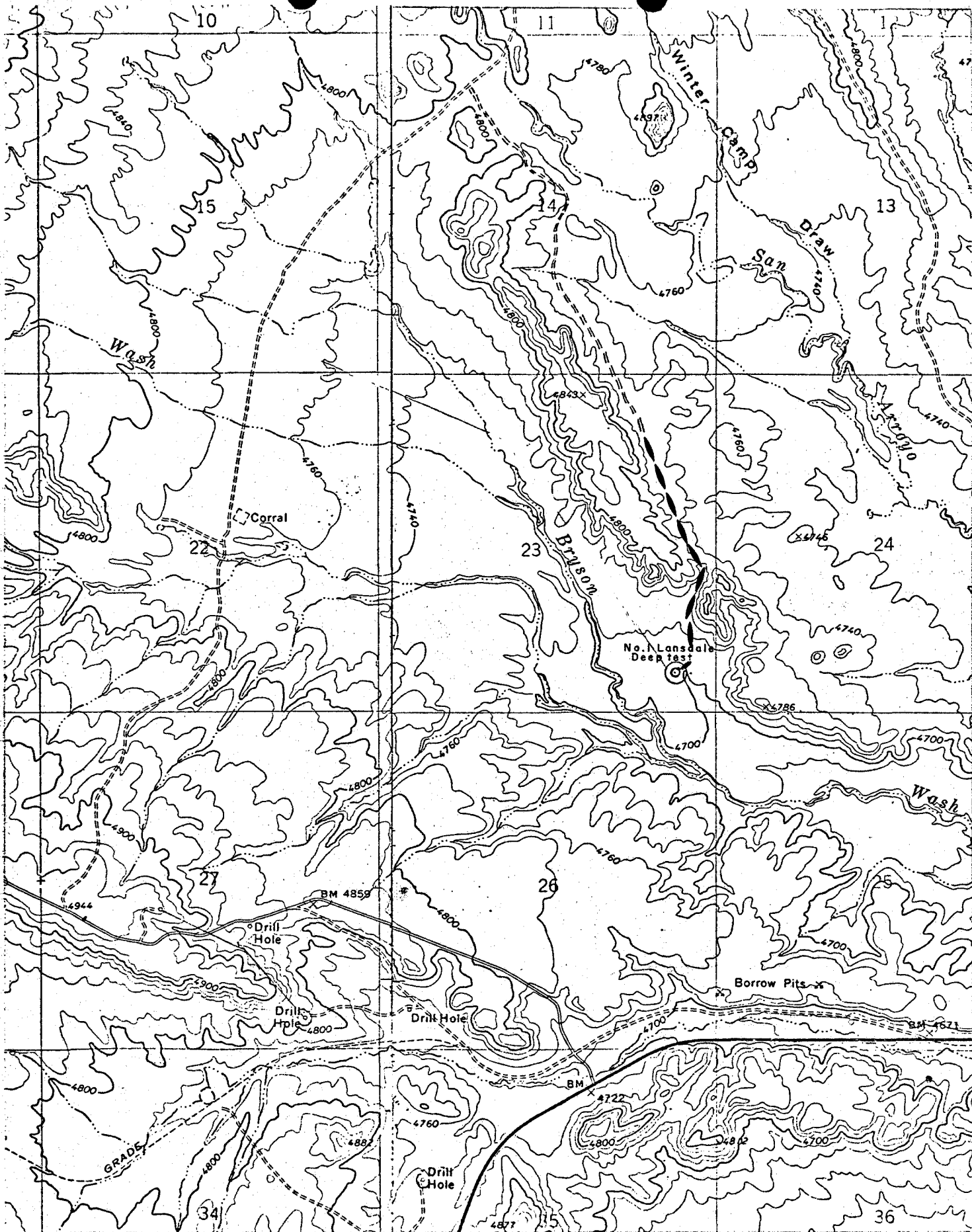


EXHIBIT NO. 2

A. Lansdale No. 1 Lansdale Deep Test

SESE Sec. 23 T18S R25E



T
18
S

GRAND CO, UTAH

A. Lansdale
No. 1 Lansdale Deep Test

Proposed Road

CULTURAL RESOURCE EVALUATION

for

FORTUNE OIL COMPANY

)A. LANSDALE (

Wells:

No. 1 Lansdale Deep Test

No. 2 Lansdale Deep Test

No. 3 Lansdale Deep Test

13-13 Government

by

Dale L. Berge, Ph. D.

Archaeologist

October, 1977

INTRODUCTION

On October 15, 1977, an archaeological survey of four drill hole sites and access roads to the location were completed on federal property administered by the Bureau of Land Management. This land is to be impacted by the scheduled construction of drill hole pads measuring 250 feet by 150 feet and access roads with a corridor of 25 feet. This project was done at the request of Mr. Don Redman representative of Fortune Oil Company, Garden Grove, California.

This inventory was completed in order to comply with legal provisions contained in the "Act for Preservation of American Antiquities", of 1906 (34 Stat. 225, 16 U.S.C. 431 et. seq.), the National Environmental Policy Act of 1969 (83 Stat. 852, 42 U.S.C. 431 et. seq.) Executive Order 11,593, and Utah State Antiquities Act of 1973.

The intensive archaeological survey completed for this project was accomplished under the authority of Federal Antiquities permit number 77-Ut-035 (M-8) and authorization from the Moab District, Bureau of Land Management.

The project was under the direction of Dr. Dale L. Berge, Department of Anthropology and Archaeology, Brigham Young University, who was assisted by Mr. T. Michael Smith, crew chief for the project, and Jeff Bentley, graduate students in the Department of Anthropology and Archaeology, Brigham Young University.

SURVEY

This intensive archaeological survey was conducted by zig-zagging across the drill hole sites and access roads to observe any surface indications of past cultural activity. No cultural activity, such as flaking detritus, stone tools, structures, and so forth, were observed at these locations.

The following observations at each drill hole location and access road were made:

No. 1 Lansdale Deep Test

Drill Hole: SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 23, T18S, R25E, SLM
Access Road: Sections 14 and 23, T18S, R25E, SLM

This drill pad is located on a flat, level area immediately north of a small drainage channel in the southeast quarter of section 23, Township 18 South, Range 25 East, Salt Lake Meridian. Clay soils characterize the pad area and sparse sage vegetation is found along the drainage.

Approximately three-quarters of a mile of access road was surveyed; the road runs north from the pad area until joining the southerly extension of a previously existing dirt road. Grass and sage vegetation was sparse along the access road.

No cultural materials were located along the access road corridor, or the drill hole location.

No. 2 Lansdale Deep Test

Drill Hole: NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 18, T18S, R26E, SLM
Access Road: N $\frac{1}{2}$ NE $\frac{1}{4}$, Section 18, T18S, R26E, SLM

This drill site is located on a nearly level, northeasterly exposed slope in the north-east of section 18. The clay soils are sparsely populated with sage and easily seen by surveyors.

The access road flagged into the pad area was from the pad to an existing dirt road in a generally easterly direction for approximately three-eighths of a mile. Sparse sage and grasses are present along the route.

No cultural materials were found along the access route or pad area.

No. 3 Lansdale Deep Test

Drill Hole: SE $\frac{1}{4}$, NE $\frac{1}{4}$, Section 31, T17S, R26E, SLM
Access Road: NE $\frac{1}{4}$, Section 31, S $\frac{1}{2}$ Section 30, T17S, R26E, SLM

This site is located on a flat area between two drainages which continue on to an alluvial plain. The soil is a sandy clay with low sage vegetation.

The access road is about three-quarters of a mile long in a northwesterly direction. The same type of vegetation is present.

No cultural material was found at the drill site or along the access road.

13-13 Government

Drill Hole: SW $\frac{1}{4}$, SW $\frac{1}{4}$ Section 13, T17S, R25E, SLM

Access Road: SW $\frac{1}{4}$ Section 13, N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 14, T17S, R25E, SLM

This site is located on flat topography with a slight rise to the west.
The soil is a fine clay. Vegetation is low, sparse sagebrush.

The access road is approximately one mile long in the same soil and topography.

No cultural materials were observed at the drill hole site or along the access road.

Recommendations

<u>Well</u>	<u>Location</u>	<u>Clearance Status</u>
No. 1 Lansdale	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 23 T18S, R25E, SLM Grand County, Utah Area: 250 feet x 150 feet Road Corridor: 25 feet	Recommended
No.2. Lansdale	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18 T18S, R26E, SLM Grand County, Utah Area: 250 feet x 150 feet Road Corridor: 25 feet	Recommended
No 3. Lansdale	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 31 T17S, R26E, SLM Grand County, Utah Area: 250 feet x 150 feet Road Corridor: 25 feet	Recommended
13-13 Government	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13 T17S, R25E, SLM Grand County, Utah Area: 250 feet x 150 feet Road Corridor: 20 feet	Recommended

Because no cultural material was discovered in the areas surveyed for the proposed drill hole sites and access roads, it is recommended that cultural clearance be granted to the Fortune Oil Company for this construction work. In the event that any subsurface archaeological remains are exposed during the proposed project. A qualified archaeologist should be called to assess the situation and/or take the necessary conservation measures.

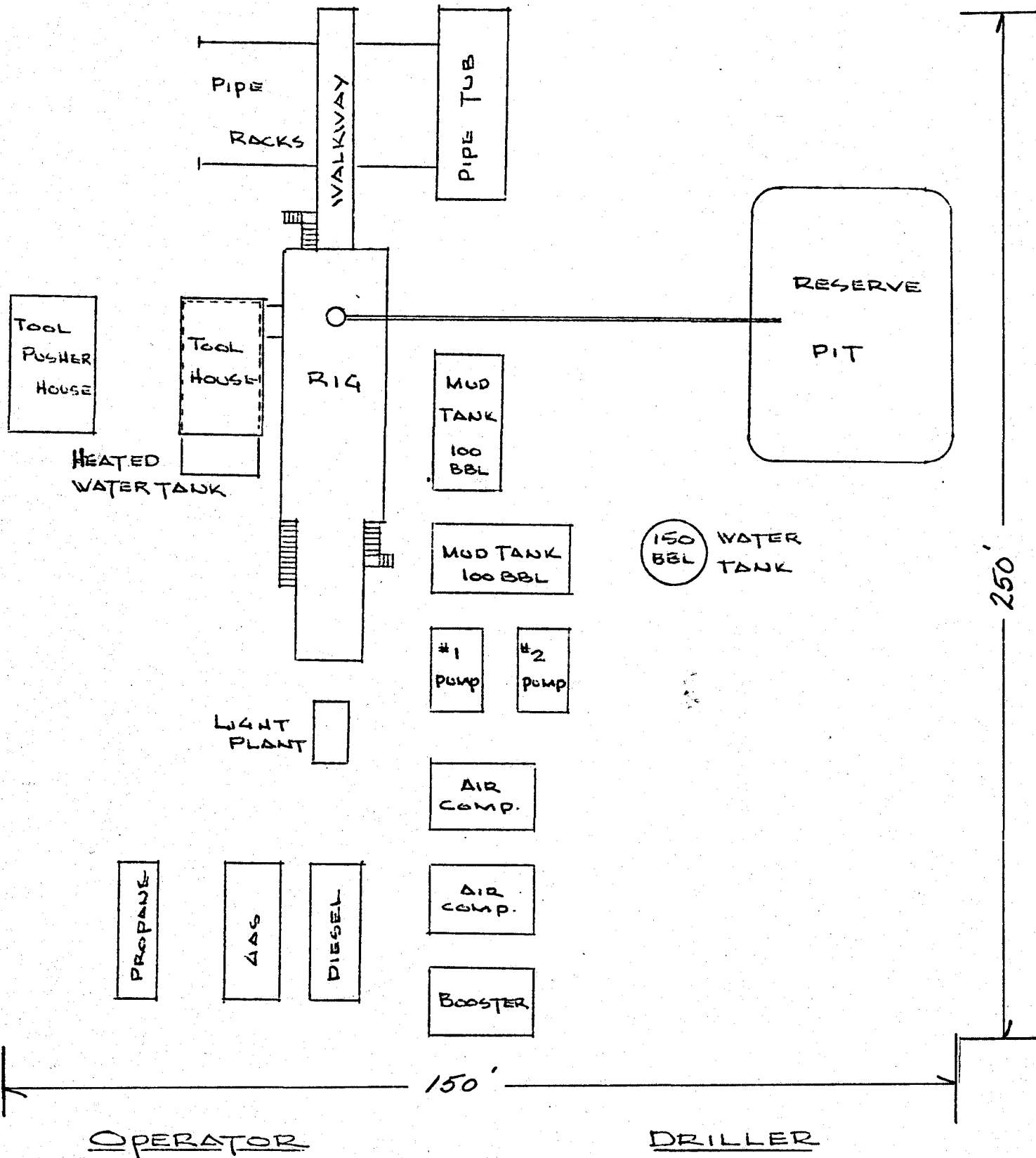


EXHIBIT NO. 3

A. LANSDALE

No. 1 Lansdale Deep Test
SESE Sec. 23 T18S R25E
Grand County, Utah

JACOBS DRILLING Co.

ROSS L. JACOBS

405 MAYFIELD DR.

GRAND JUNCTION, CO. 81501

303: 243-9685

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: 12/13/77

Operator: ~~Auguste~~ A. Lansdale

Well No: Federal 1-23

Location: SE SE Sec. 23 T. 185 R. 25E County: Grand

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

API NUMBER: 43-014-30413

CHECKED BY:

Administrative Assistant [Signature]

Remarks:

Petroleum Engineer ok Pat

Remarks:

Director [Signature]

Remarks:

no other well within
1 1/2 mile radius [Signature]

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

Survey Plat Required: ☐

Order No. ☐

Surface Casing Change ☐
to ☐

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☒

O.K. In ☐

Unit ☐

Other:

☒ Letter Written/Approved

December 14, 1977

A. Lansdale
Box 68
Garden Grove, California 92683

Re: Well No's:

✓ Lansdale-Federal 1-23
Sec. 23, T. 18 S, R. 25 E,
Lansdale-Federal 2-18
Sec. 18, T. 18 S, R. 26 E,
Lansdale-Federal 3-31
Sec. 31, T. 17 S, R. 26 E,
Grand County, Utah

Dear Mrs. Lansdale:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are:

#1-23:	43-019-30413	#2-18:	43-019-30414
#3-31:	43-019-30415		

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT, Director

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

CLEON B. FEIGHT
Director

August 17, 1978

A. Lansdale
P. O. Box 68
Garden Grove, California 92683

Re: PLEASE SEE ATTACHED LIST

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila
KATHY AVILA
RECORDS CLERK

ATTACHMENT-MONTHLY REPORT OF OPERATIONS REQUEST

- 1- Well No. Federal 3-31
Sec. 31, T. 17S, R. 26E,
Grand County, Utah
February 1978 thru' June 1978
- 2- Well No. Federal 1-23
Sec. 23, T. 18S, R. 25E,
Grand County, Utah
January 1978 thru' June 1978
- 3- Well No. Federal 2-18
Sec. 18, T. 18S, R. 26E,
Grand County, Utah
January 1978 thru' June 1978
- 4- Well No. Federal 13-13
Sec. 13, T. 17S, R. 25E,
Grand County, Utah
January 1978 thru' June 1978
- 5- Well No. Lansdale-Gov't. 12-X
Sec. 31, T. 18S, R. 25E,
Grand County, Utah
April 1977 thru' June 1978

ATTACHMENT 2-A

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION EIA NO. 853

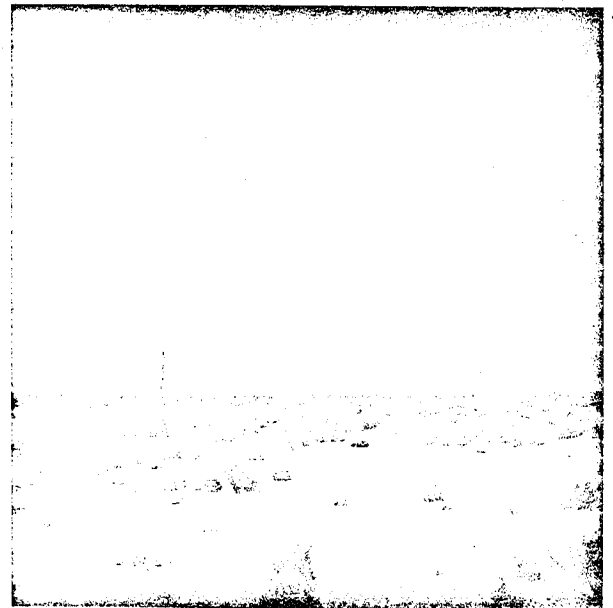
DATE Jan 5, 78

OPERATOR A LeaseLEASE # 11-6369WELL NO. 1LOC. SE 1/4 SE SEC. 23T. 18S R. 25ECOUNTY Grand STATE UtFIELD WildcatUSGS EVANSBLM CURNUTTREP: Jacobs

DIRT

- ☐ ENHANCES
☐ NO IMPACT
☐ MINOR IMPACT
☒ MAJOR IMPACT

	Construction				Pollution				Drilling Production				Transport Operations			Accidents		Others	
	Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks	Operational failure
Land Use	Forestry																		
	Grazing																		
	Wilderness																		
	Agriculture																		
	Residential-Commercial																		
	Mineral Extraction																		
	Recreation																		
	Scenic Views																		
	Parks, Reserves, Monuments																		
Flora & Fauna	Historical Sites																		
	Unique Physical Features																		
	Birds																		
	Land Animals																		
	Fish																		
Phy. Charact.	Endangered Species																		
	Trees, Grass, Etc.																		
	Surface Water																		
	Underground Water																		
	Air Quality																		
Effect On Local Economy	Erosion																		
	Other																		
Safety & Health																			
Others																			



#1

Loc moved 150' N
 Route access to
 entry to NAW

LEASE 11-6869

DATE Jan 4, 78

WELL NO. 1

LOCATION: SE $\frac{1}{4}$ SE $\frac{1}{4}$, SEC. 23, T. 18S, R. 25E

FIELD wildcat COUNTY Grand STATE UT

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTION

A Lamsdale

PROPOSES TO DRILL AN OIL AND

(COMPANY)

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 3500 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 150 FT. X 250 FT. AND A RESERVE PIT 10' FT. X 45' FT.

3) TO CONSTRUCT 24 FT. WIDE X 4000 FEET MILES ACCESS ROAD AND UPGRADE 24

FT. WIDE X 1.5 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. TO CONSTRUCT

☒ GAS ☐ OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PADAND ☐ TRUCK ☐ TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN IN

SECTION , T. , R. ,

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY: ☐ ROLLING HILLS ☐ DISSECTED TOPOGRAPHY ☒ DESERT
OR PLAINS ☒ STEEP CANYON SIDES ☐ NARROW CANYON FLOORS ☐ DEEP DRAINAGEIN AREA ☐ SURFACE WATER Access Road crosses Mancos Slope

& Hill. This would be difficult to rehab - introduce erosion -

Alternate Route would require several dry drainage crossings but
would not have side hill cuts - Drill pad would be in major drainage pattern.(2) VEGETATION: ☒ SAGEBRUSH ☐ PINION-JUNIPER ☐ PINE/FIR ☐ FARMLAND
(CULTIVATED) ☒ NATIVE GRASSES ☐ OTHER

(3) WILDLIFE: ☐ DEER ☐ ANTELOPE ☐ ELK ☐ BEAR ☒ SMALL
MAMMAL ☒ BIRDS ☐ ^{Not Known} ENDANGERED SPECIES ☐ OTHER _____

(4) LAND USE: ☒ RECREATION ☒ LIVESTOCK GRAZING ☐ AGRICULTURE
☐ MINING ☐ INDUSTRIAL ☐ RESIDENTIAL ☒ OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR
USFS EAR
OTHER ENVIRONMENTAL ANALYSIS

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6) *Construction of Road on side slope -*
7. *well in drainage pattern*

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED 150' N TO AVOID ☐ LARGE SIDEHILL CUTS ☒ NATURAL DRAINAGE ☐ OTHER

ACCESS ROAD RECOMMENDED to come in from NW on west side of main hill.

4) hill.
- update 10 pt plan - grade & condition of road, and equipment - etc -

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. DETERMINATION:

(THIS REQUESTED ACTION DOES) (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED Jan 5, 78

INSPECTOR J. Evans

Onsite canceled Dec 28, 78 by operator.
Rescheduled for Jan 5, 78. Given low
priority over other EIA's awaiting onsite
Jan 5, 78. Jan 20, 78.

E. W. S. Evans

U. S. GEOLOGICAL SURVEY
CONSERVATION DIVISION - OIL & GAS OPERATIONS
SALT LAKE CITY DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-RO356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-6869
Communitization Agreement No. NA
Field Name Wildcat
Unit Name Lansdale Unit
Participating Area NA
County Grand State Utah
Operator A. Lansdale

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of
December, 19 78

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1-23	Sec. 23 SE SE	18S	25E	DRG	- -	- -	- -	- -	12-29-78 Moved in rig 12-30-78 Cemented surface casing & circulated cement to surface 12-31-78 Nippled up and drilled out plug at 11:00 P.M. Drilling ahead with air.

Note: THIS WELL IS DRILLING ON THE LANSDALE UNIT ALSO INVOLVED IS LEASE C-8070 WITH AN EXPIRATION DATE OF 12/31/78.

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	0	0	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: E. R. Haymaker

E. R. Haymaker

(1720 South Poplar, Suite 5
Address: Casper, Wyoming 82601)

Title: Consulting Eng., P. E. #2140
for A. Lansdale, P. O. Box 68
Garden Grove, Calif. 92642

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

14 16

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-6869																																	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -																																	
2. NAME OF OPERATOR A. Lansdale		7. UNIT AGREEMENT NAME Lansdale Unit ?																																	
3. ADDRESS OF OPERATOR c/o Haymaker & Associates 1720 South Poplar, Suite 5, Casper, Wyoming 82601		8. FARM OR LEASE NAME Lansdale-Deep Test																																	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SE/SE; 699' FSL, 601' FEL At top prod. interval reported below Same At total depth Same		9. WELL NO. 1-23 Federal																																	
14. PERMIT NO. 30413		10. FIELD AND POOL, OR WILDCAT Wildcat																																	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 23 T18S R25E																																	
15. DATE SPUDDED 11/30/78		12. COUNTY OR PARISH Grand																																	
16. DATE T.D. REACHED 1/17/79		18. STATE Utah																																	
17. DATE COMPL. (Ready to prod.) P&A.		19. ELEV. CASINGHEAD -																																	
20. TOTAL DEPTH, MD & TVD 2,793'		21. ELEVATIONS (DF, RER, RT, GR, ETC.)* 4703' Gr.																																	
22. PLUG BACK T.D., MD & TVD Surface		23. IF MULTIPLE COMPL., HOW MANY* NA																																	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NONE		25. INTERVALS DRILLED BY → 0 - TD																																	
26. TYPE ELECTRIC AND OTHER LOGS RUN SP-Dual Ind. Comp. Formation Dens. Neutron		27. WAS WELL CORED No																																	
28. CASING RECORD (Report all strings set in well)																																			
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>7 5/8"</td><td>24</td><td>210</td><td>12 1/4</td><td>150 sx.</td><td>0</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	7 5/8"	24	210	12 1/4	150 sx.	0																				
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32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																														
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		→																																	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY																																			
35. LIST OF ATTACHMENTS None (All logs forwarded to State & U.S.G.S. by Schlumberger)																																			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																			
SIGNED <u>A. Lansdale</u> TITLE <u>Owner</u> DATE <u>1/17/79</u>																																			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUC

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (driller, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota Silt	1,036'	1,240'	unproductive	Dakota Silt	1,036'	Same
Morrison	1,240	1,865	"	Morrison	1,240	"
Entrada	1,865	2,540	"	Entrada	1,865	"
Chinle	2,540	2,670	"	Chinle	2,540	"
Granite Wash	2,670	2,793	"	Granite Wash	2,670	"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-6869
2. NAME OF OPERATOR A. Lansdale		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR c/o Haymaker & Associates 1720 South Poplar, Suite 5, Casper, Wyoming 82601		7. UNIT AGREEMENT NAME Lansdale Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/SE; 699' FSL, 601' FEL		8. FARM OR LEASE NAME Lansdale-Deep Test
14. PERMIT NO.		9. WELL NO. 1-23 Federal
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4703' Grd (ungraded)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23 T18S R25E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
MULTIPLE COMPLETE	<input checked="" type="checkbox"/>		
ABANDON*	<input type="checkbox"/>		
CHANGE PLANS	<input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In accordance with oral approval granted by W. P. Martens, the subject hole will be abandoned as follows:

1. Fill hole with heavy mud. (9.2#/gallon)
2. Plug #1: 2,540'-2,740'; 200 ft. - 40 sx cmt.
3. Plug #2: 1,540'-1,740'; 200 ft. - 40 sx cmt.
4. Plug #3: 850'-1,050'; 200 ft. - 40 sx cmt.
5. Plug #4: (1/2 in 1/2 out surf. csg.) 160'-260'; 100 ft. - 20 sx cmt.
6. Plug #5: Set regulation marker with 10 sx cmt. at surface.
7. Fence pits, fill all holes, pick up debris and rehabilitate when possible.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MININGDATE: after fact

BY: _____

18. I hereby certify that the foregoing is true and correct

SIGNED

A. Lansdale

TITLE

OwnerDATE 1/17/79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-6869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

Lansdale Unit

8. FARM OR LEASE NAME

Lansdale-Deep Test

9. WELL NO.

1-23 Federal

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 23 T18S R25E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Dry Hole
2. NAME OF OPERATOR
A. Lansdale
3. ADDRESS OF OPERATOR c/o Haymaker & Associates
1720 South Poplar, Suite 5, Casper, Wyoming 82601
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
SE/SE; 699' FSL, 601' FEL

14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4703' Grd (ungraded)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In accordance with prior notice of intention to abandon, the subject hole was abandoned as follows:

1. Filled hole with heavy mud. (9.2#/gallon)
2. Plug #1: 2,540'-2,740'; 200 ft. - 40 sx cmt.
3. Plug #2: 1,540'-1,740'; 200 ft. - 40 sx cmt.
4. Plug #3: 850'-1,050'; 200 ft. - 40 sx cmt.
5. Plug #4: (1/2 in 1/2 out surf. csg.) 160'-260'; 100 ft. - 20 sx cmt.
6. Plug #5: Set regulation marker with 10 sx cmt. at surface.
7. Fenced pits, filled all holes and picked up debris. Rehabilitation will be performed after pits have dried and are back-filled.

18. I hereby certify that the foregoing is true and correct

SIGNED

E. R. Haymaker

TITLE

Consulting Engineer
for A. Lansdale

DATE

1/31/79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side